

Description **Silbione LSR 60** is a two part, 60 durometer, healthcare grade liquid silicone rubber designed for producing translucent, high strength molded parts. It is especially effective when bonding silicone rubber to silicone rubber.

- Examples of applications**
- Molded medical parts for healthcare applications for <30 day implantation
 - Encapsulated electronic parts
 - Bonding silicone to silicone
 - Self-adhesive LSR

- Key benefits**
- Translucent
 - High tear strength
 - Bonds to silicone substrates without a primer
 - Effective as an over-molding product
 - No post cure is needed

Typical properties

| As supplied | Test Method | Unit | Value |
|-------------------------|-------------|--------|--------------------------|
| | CTM | | |
| Appearance | TP 038 | | Clear, translucent paste |
| Extrusion Rate | TP 001 | g/min. | 140 |
| Specific Gravity | TP 013 | g/cm | 1.12 |

| Cured | Test Method | Unit | Press Cured(1), 5 min., 177°C |
|-------------------------|--------------|------------|-------------------------------|
| | ASTM | | |
| Hardness | D 2240 | Shore A | 59 |
| Tensile Strength | D 412 | psi (MPa) | 1,330 (9.1) |
| Elongation | D 412 | % | 440 |
| Tear Strength | D 624, Die B | Ppi (KN/m) | 190 (33) |
| Modulus, 100% | D 412 | psi (MPa) | 360 (2.5) |

1) Slab 6" x 6" x 0.07"

Please note: The typical properties are not intended for use in preparing specifications. Please contact our local Sales Department for assistance in writing specifications.

Instruction of use Parts A and B components of **Silbione LSR 60** are designed to be mixed in equal parts using standard liquid injection molding processing equipment and techniques. Airless mixing, metering and dispensing equipment are recommended for production operations. Accurate measuring and complete mixing are essential factors in obtaining consistent results.

Regulation Extensive toxicology testing on SILBIONE® products has demonstrated their adequate biocompatibility and suitability for the recommended applications. SILBIONE LSR 60 A and SILBIONE LSR 60 B satisfies regulatory requirement in several countries and complies with a number of medical and pharmaceutical regulations. Contact Elkem Silicones for more detailed information.

SILBIONE LSR 60 A / B

Technical Data Sheet n° 413-V4 – 2019/11/01

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|-------------------------------|---|
| Limitations | Specific Silbione silicone products are used for certain food contact, healthcare, medical and pharmaceutical applications. Bluestar Silicones supports the sales of these Silbione products to customers involved in manufacturing and assembling approved medical devices for less than 29 day implantation. The purchaser has the sole responsibility to select a particular Bluestar Silicones Silbione product and determine its application suitability. The purchaser also has the sole responsibility to comply with all applicable statutory, regulatory and industry requirements and standards for compatibility, extractability, testing, safety, efficacy and labeling. |
| Packaging | <ul style="list-style-type: none">• SILBIONE LSR 60 A is available in<ul style="list-style-type: none">○ Drum of 200 KG (441 LB)○ Pail of 18 KG (39.69 LB)• SILBIONE LSR 60 B is available in<ul style="list-style-type: none">○ Drum of 200 KG (441 LB)○ Pail of 18 KG (39.69 LB) |
| Storage and shelf life | When stored in its original packaging: SILBIONE LSR 60 A may be stored for up to 18 months from its date of manufacturing. SILBIONE LSR 60 B may be stored for up to 18 months from its date of manufacturing. Comply with the storage instructions and expiration date marked on the packaging. Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications. |
| Safety | Please consult the Safety Data Sheet of: SILBIONE LSR 60 A and SILBIONE LSR 60 B |

Visit our website www.silicones.elkem.com

Warning to the users

The information contained in this document is given in good faith based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third party rights through the use of our products. ELKEM SILICONES guarantees that its products comply with its sales specifications. This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for given use. Determination of the suitability of product for the uses and applications contemplated by users and others shall be the sole responsibility of users. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorisations. Users are requested to check that they are in possession of the latest version of this document and ELKEM SILICONES is at their disposal to supply any additional information.